

## EAST Search History

S4	304	417/42.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/10 18:57
S5	72580	(TATSUNO YUKIHIRO).IN. (SATAKE HIDETOSHI).IN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/10 18:58
S6	17	(TATSUNO AND YUKIHIRO).IN. AND (SATAKE AND HIDETOSHI). IN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/10 19:58
S7	1243	(Hitachi AND construction).ASN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/10 20:00
S8	220	S7 AND (hydraulic AND controller)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/10 20:00
S9	63	S8 AND prime AND mover	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/12 11:38
S10	1244	(Hitachi AND construction).ASN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 11:23

## EAST Search History

S11	220	S10 AND (hydraulic AND controller)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 15:10
S12	7	S11 AND prime AND mover AND (torque SAME negative)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 11:23
S13	31	S11 AND (input ADJ torque)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 13:59
S14	23	("4655689"   "4672811"   "4704866"   "4759183"   "4967557"   "5074194"   "5182908").PN. OR ("5307631").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/11 15:08
S16	4	S11 AND (decrease NEAR2 (input ADJ torque))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 15:43
S17	4	"control system" AND "construction machine" AND (decrease NEAR2 (input ADJ torque))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 15:48
S18	8	(decrease NEAR3 (input ADJ torque)) SAME (engine AND rotation AND speed)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 15:49

## EAST Search History

S19	275	(control WITH decrease WITH torque) SAME (engine AND rotat\$4 AND speed)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 16:08
S20	141	S19 AND construction	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 16:16
S21	18	(correction ADJ torque) SAME (negative ADJ value)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 16:16
S22	23	("4637487"   "4768608"   "4884651"   "4953093"   "4970650"   "4985836"   "4985837"   "4985838"   "4999778"   "5022483"   "5025882"   "5070960"   "5183128").PN. OR ("5269391").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/11 16:43
S23	2	((("6611320") or ("6620188")).PN.	USPAT	OR	OFF	2007/09/12 10:51
S24	17	"2968558"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 17:46
S25	276	60/451.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/12 10:53
S26	62	60/451.ccls. AND (decrease AND Torque AND rotation AND speed)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/12 10:53

## EAST Search History

S27	10472	F04B049/06.ipc. F02D029/04.ipc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/12 11:39
S28	909	S27 AND torque AND control	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/12 15:32
S29	225	S28 AND rotation AND speed	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/12 11:39
S30	10	("4332531"   "4528813"   "4637781"   "4809504"   "4823552"   "4904161"   "5468126"   "5881629").PN. OR ("6010309").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/12 14:45
S31	1049	417/22,218.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/13 15:06
S32	550	60/449,451.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/12 14:49
S33	126	S32 AND torque AND construction	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/12 15:22

## EAST Search History

S34	266	S32 AND torque	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/12 15:22
S35	140	S34 NOT S33	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/12 15:22
S36	86	S35 AND rotation AND speed	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/12 15:40
S37	225	S28 AND rotation AND speed	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/12 16:57
S38	48	S37 AND (decrease SAME torque)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/12 16:57
S39	11	(US-5155996-\$ or US-5269391-\$ or US-5307631-\$ or US-6010309-\$ or US-4904161-\$).did. or (JP-04258418-\$).did. or (JP-2000161302-\$ or CN-1668849-\$ or JP-2005120881-\$ or JP-10131867-\$).did.	USPAT; JPO; DERWENT	OR	ON	2007/09/13 11:13
S40	10	("4332531"   "4528813"   "4637781"   "4809504"   "4823552"   "4904161"   "5468126"   "5881629").PN. OR ("6010309").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/13 12:44

## EAST Search History

S41	318	60/449.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/13 14:00
S42	159	S41 AND torque	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/13 12:58
S43	106	S42 AND control AND rotation	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/13 12:59
S44	276	60/451.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/13 14:00
S45	95	S44 AND torque AND control AND rotation	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/13 14:14
S46	391	417/34.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/13 14:15
S47	40	S46 AND torque AND control	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/13 14:15

## EAST Search History

S48	1049	417/22,218.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/13 15:07
S49	59	S48 AND (torque NEAR3 control)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/13 15:07
S50	13	(US-6010309-\$ or US-5307631-\$ or US-5269391-\$ or US-5155996-\$ or US-4904161-\$ or US-4332531-\$ or US-4672811-\$).did. or (JP-04258418-\$).did. or (CN-1668849-\$ or JP-2005120881-\$ or JP-2000161302-\$ or JP-10131867-\$).did.	USPAT; JPO; DERWENT	OR	ON	2007/09/13 20:12